

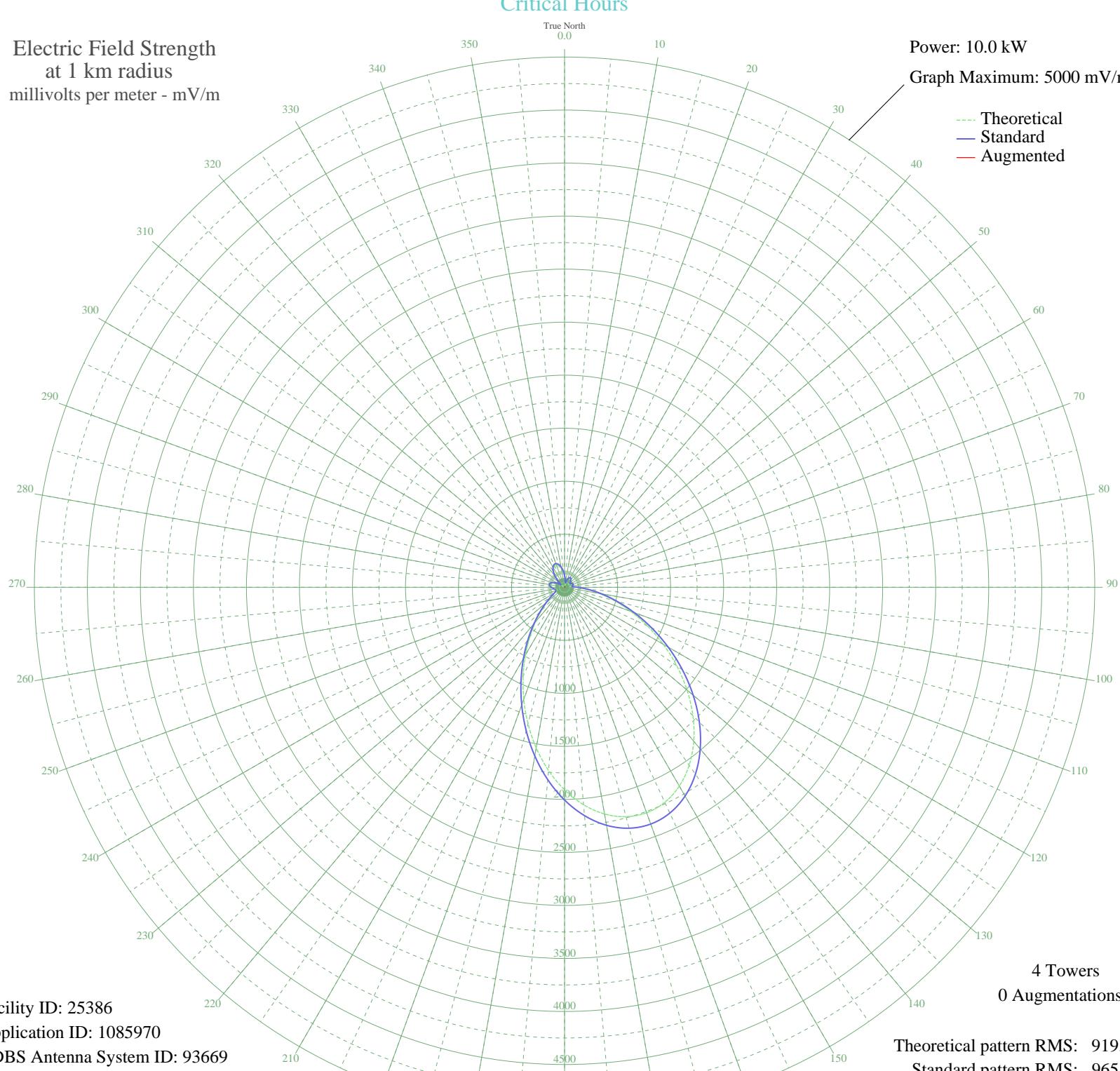
WXJO SMYRNA, GA BMJP-20050118AEF 1120 kHz

Critical Hours

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m

Power: 10.0 kW
Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented



Azimuth	E _{theo}	E _{std}	E _{aug}
0	103.29	114.12	
5	56.95	69.54	
10	18.89	40.67	
15	36.57	52.29	
20	66.58	78.41	
25	87.19	98.19	
30	96.38	107.24	
35	94.32	105.21	
40	82.79	93.90	
45	65.38	77.28	
50	48.98	62.49	
55	45.05	59.14	
60	56.12	68.80	
65	69.97	81.60	
70	77.11	88.41	
75	72.91	84.39	
80	59.04	71.44	
85	60.70	72.96	
90	114.40	125.25	
95	208.76	222.06	
100	334.30	352.80	
105	487.55	513.16	
110	665.21	699.37	
115	862.76	906.59	
120	1074.19	1128.46	
125	1292.04	1357.11	
130	1507.73	1583.51	
135	1711.94	1797.89	
140	1895.25	1990.33	
145	2048.75	2151.48	
150	2164.70	2273.22	
155	2237.20	2349.32	
160	2262.58	2375.97	
165	2239.77	2352.03	
170	2170.36	2279.16	
175	2058.45	2161.67	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1910.30	2006.13	
185	1733.80	1820.84	
190	1537.88	1615.16	
195	1331.78	1398.82	
200	1124.50	1181.26	
205	924.21	971.07	
210	737.83	775.53	
215	570.78	600.37	
220	426.88	449.63	
225	308.33	325.69	
230	215.87	229.43	
235	148.88	160.30	
240	105.36	116.19	
245	81.70	92.84	
250	73.02	84.49	
255	75.17	86.54	
260	85.22	96.27	
265	100.01	110.85	
270	115.66	126.52	
275	128.26	139.27	
280	134.41	145.53	
285	131.51	142.58	
290	117.97	128.85	
295	93.37	104.27	
300	58.64	71.08	
305	17.85	40.15	
310	36.57	52.29	
315	86.11	97.13	
320	133.73	144.83	
325	174.61	186.75	
330	204.96	218.12	
335	221.94	235.72	
340	224.02	237.88	
345	211.13	224.51	
350	184.70	197.16	
355	147.48	158.87	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

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Prepared by Audio Division, Media Bureau
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